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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. RTI-101XC1

First Inventor Daniel P. Rini

Title METHOD AND APPARATUS FOR HIGHLY EFFICIENT
COMPACT VAPOR COMPRESSION COOLING

Express Mail Label No. EU082848507US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Application
Commissioner for Patents, P.O. Box 1450
Alexandria, VA 22313

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27
3. ☒ Specification [Total Pages 44]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed Sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 14]
5. Oath or Declaration [Total Pages 4]
 - a. ☒ Newly executed (original or copy) (unsigned)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Cert. Of Express Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No. _____

Prior application information: Examiner: _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label 23557 or ☐ Correspondence address below

Name				
Address				
City	State	Zip Code		
Country	Telephone	Fax		

Name (Print/Type)	James S. Parker	Registration No. (Attorney/Agent)	40,119
Signature		Date	July 22, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on
the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC
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FEE TRANSMITTAL FORM

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Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Daniel P. Rini, Louis Chow, H. Randolph Anderson, Jayanta Sankar Kapat, Bradley Carman, Brian Gulliver, Jose Mauricio Recio

Entitled: Method and Apparatus For Highly Efficient Compact Vapor Compression Cooling

- A Utility Patent Application Transmittal Form accompanies this Fee Transmittal Form.
- The filing fee is calculated below:

CLAIMS AS FILED					
	Number filed		Number Extra	Rate	Fee
Basic Fee					\$ 375.00
Total Claims	95	-20 =	75	x \$09	675.00
Independent Claims	2	-3 =	0	x \$42	0.00
Presentation of Multiple Dependent Claim(s) (\$165)					
Total Filing Fee					\$ 1,050.00

- Please charge \$1,050.00 to Deposit Account No. 19-0065. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional filing fees that may be required, or credit any overpayment, to Deposit Account No. 19-0065.
- This application is being mailed by Express Mail under 37 CFR 1.10 and the required certificate appears below.

Date July 22, 2003

James S. Parker
 James S. Parker (Attorney of Record)

CERTIFICATE OF MAILING BY EXPRESS MAIL (37 CFR 1.10)

Express Mail No. EU 082848507 US Date of Deposit: July 22, 2003

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

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 Signature